In the Specification:

Please amend the specification as follows:

Please replace the paragraph beginning on page 22, line 1, with the following rewritten paragraph:

If the decision result in the step S9 is YES, a step S17 sets the power of the light source of the light beam emitted from the optical head 3 to a read/write/erase power which is dependent on the test track of the magneto-optical disk 172. Moreover, a step S18 calculates a read/write/erase slice level for detecting the off-track, for the test track of the magneto-optical disk 172, and the process advances to the step S19. The write/erase slice level for detecting the off-track for the test track is normally set to a value which is greater than (for example, two times) the write/erase slice level for detecting the off-track during the normal write/erase process, so tatthat the off-track is monitored under a relaxed condition.

Please replace the paragraph beginning on page 27, line 5, with the following rewritten paragraph:

If the decision result in the step S9 is YES, the step S17 sets the power of the light source of the light beam emitted from the optical head 3 to a read/write/erase power which is dependent on the test track of the magneto-optical disk 172. Moreover, a step S18-1 calculates a write/erase slice level for detecting the shock, for the test track of the magneto-optical disk 172, and the process advances to the step S19-1. The

write/erase slice level for detecting the shock for the test track is normally set to a value which is greater than the write/erase slice level for detecting the shock during the normal write/erase process, so tatthat the shock is monitored under a relaxed condition.

Please replace the paragraph beginning on page 28, line 24, with the following rewritten paragraph:

The off-track detection function of the first embodiment includes the filtering function of the noise filter 101 for eliminating the media noise of the magnetooptical disk 172, and a time delay of the off-track detection by the firmware of the DSP 116 is unavoidable. For this reason, if the optical hadhead 3 moves at a high speed due to the external vibration or shock applied to the magneto-optical disk unit, there is a possibility tatthat the light beam has already approached the adjacent track by the time the off-track is detected. Therefore, it is possible to monitor the off-track under a more severe condition by decreasing the write/erase slice level for detecting the off-track and by decreasing the filter time constant of the noise filter 101, so that it is possible to detect even a small deviation of the off-track at a high speed. However, when the off-track is monitored under the severe condition, the media noise is consequently also monitored under the severe condition, and it becomes difficult to improve the productivity of the magneto-optical disk 172. Hence, in this second embodiment, the external vibration or shock is monitored, and the write/erase process is discontinued when the monitored external vibration or shock exceeds a reference value, so as to prevent data destruction on the magneto-optical disk 172.

Please replace the paragraph beginning on page 30, line 22, with the following rewritten paragraph:

FIG. 10 is a flow chart for explaining the firmware process of the MPU 112 and the DSP 116 for a case where the write command is issued from the host unit. When the write command is issued by the step S53 shown in FIG. 9 and the process shown in FIG. 10 is started, a step S61 sets a write mode flag to the memory 118. A step S62 carries out the process at the time of the seek of the first embodiment described above in conjunction with FIG. 4 or, the process at the time of the seek of the second embodiment described above in conjunction with FIG. 6, and notifies the number of retries to the MPU 112. A step S63 decides whether or not the process ends by a normal end, and the process ends by an abnormal end if the decision result in the step S63 is NO. On the other andhand, if the decision result in the step S63 is YES, a step S64 sets write parameters and commands in the formatter 114-1, and the process ends by a normal end.